

ATTY. DOCKET NO.: BP0306-US

APPLICANT: Dey et al. SERIAL NO.: 10/751,354 FILING DATE: January 5, 2004 GROUP: 1624

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INIT.		NUMBER	DATE	NAME	CLASS	CLASS	APPROPR	
. 75	AA	3,860,581	Jan. 14, 1975	Nudelman et al.	260	239.3D	Dec. 27, 19	
-84	AB	5,780,232	July 14, 1998	Arlinghaus et al.	435	6	May 28, 19	
	AC	6,027,890	Feb. 22, 2000	Ness et al.	435	6	July 22, 19	
<del>.   -</del>	AD	6,156,527	Dec. 5, 2000	Schmidt et al.	435	24	Jan. 23, 19	
	AE	6,312,893	Nov. 6, 2001	Van Ness et al.	435	6	July 22, 19	
	AF	6,319,476	Nov. 20, 2001	Victor, Jr. et al.	422	103	Mar. 2, 199	
	AG	6,329,180	Dec. 11, 2001	Garvin	435	91.2	Mar. 11, 19	
_	AH	6,403,309	June 11, 2002	Iris et al.	435	6	Mar. 19, 19	
	AI	6,428,956	Aug. 6, 2002	Crooke et al.	435	6	May 12, 19	
	AJ	6,472,156	Oct. 29, 2002	Wittwer et al.	435	6	Aug. 30, 20	
	AK	6,613,508	Sep. 2, 2003	Ness et al.	435	6	Jul. 22, 199	
$\neg$	AL	6,629,040	Sep. 30, 2003	Goodlett et al.	702	23	Mar. 20, 20	
<del></del>	AM	6,750,061	June 15, 2004	Chait et al.	436	89	April 5,200	
<del></del>	AN	US2002/0119456	Aug. 29, 2002	Ness et al.	435	6	May 14, 20	
E,	AO	US2003/0077595	April 24, 2003	Van Ness et al.	435	6	Oct. 24, 20	
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E	BA	W094/15944	Jul. 21, 1994	WIPO	CLASS	CLASS	YES	NO
<del>- 15</del>	BB	W097/11958	April 3, 1997	WIPO			<del> </del>	
<del>- [-</del>	BC	W097/11938 W098/15648	Dec 19, 1996	WIPO			<del> </del>	<del> </del>
<del></del>	BD	WO98/31830	Jun 11, 1998	WIPO			<del>                                     </del>	
	BE	WO98/32876	July 30, 1998	WIPO				
	BF	WO99/05319	May 6, 1999	WIPO			<del>                                     </del>	
	BG	WO00/11208	Mar. 2, 2000	WIPO			<u> </u>	ļ
	BH	WO02/14867	Feb. 21, 2002	WIPO			<del> </del>	
<del>-   -</del>	BI	WO01/86296	Nov. 15, 2001	WIPO			<del>                                     </del>	
-	BJ	WO03/001206	Jan. 3, 2003	WIPO			<del> </del>	
-+-	BK	WO03/001200 WO03/025576	Mar 27, 2003	WIPO			<del>}</del>	<u> </u>
	BL	WO03/040288	May 15, 2003	WIPO				<del>-</del>
-	BM	WO03/077851	Sep. 25, 2003	WIPO			<del>                                     </del>	<del></del>
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	BP	EP 1027454	July 22, 1998	EPO			<u> </u>	ļ
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		immune system". Ph	armaceutical AC	ΓA Helvetiac, 68, 3-20 (1993)	amoramming (	imiccula	· · · · · · · · · · · · · · · · · · ·	410
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	СМ	Chu, Y. et al. "Free Solution Identification of Candidate Peptides from Combinatorial Libraries by Affinity Capillary Electrophoresis/Mass Spectrometry". J. Am. Chem. Soc. 117, 5419-5420 (1995)
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	СТ	Fatica, A. et al. "Making Ribosomes". Curr. Opin. Cell Biol., 14, 313-318 (2002)
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	CV	Geysen, H. et al. "Isotope or mass encoding of combinatorial libraries". Chemistry & Biology, 3, 679-688 (1996)
	CW	Gerber, S.A. et al. "Absolute Quantification of Proteins and Phosphoproteins From Cell Lysates by Tandem MS". Proc. Natl Acad. Sci., 100, 6940-6945 (2003)
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	DA	Griffin, T.J. et al. "Complementary Profiling of Gene Expression at the Transcriptome and Proteome Levels in Saccharomyces Cerevisiae". Mol. Cell Proteomics, 1, 323-333 (2002)
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	DU	Kondo, H. et al. "p47 is a cofactor for p97-mediated membrane fusion". Nature, 388, 75-78 (1997)
	DV	Köster, H. et al. "A strategy for rapid and efficient DNA sequencing by mass spectrometry". Nature Biotechnology, 14, 1123-1128 (1996)
	DW	Krusic, P. et al. "Electron Spin Resonance Studies of Fluoroalkyl Radicals in Solution. III. Photolysis of Perfluoroketones and Adduct Formation". The Journal of Physical Chemistry, 78, 2036-2041 (1974)
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•	DY	Maderazo, A.B. et al. "Upf1p Control of Nonsense mRNA Translation is Regulated by Nmd2p and Upf3p". Mol. Cell Biol., 20, 4591-4603 (2000)
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	EO	Olejnik, J. et al. "Photocleavable biotin phosphoramidite for 5'-end labeling, affinity purification and phosphorylation of synthetic oligonucleotides". Nucleic Acids Research, 24, 361-366 (1996)
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BP0306-US





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#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application Serial No:

10/751,354

Date Filed:

January 5, 2004

**Application Title:** 

Active Esters of N-Substituted Piperazine Acetic Acids,

**Including Isotopically Enriched Versions Thereof** 

Applicants:

Dey et al.

Group Art Unit:

1624

Examiner:

Not Assigned

Certified Mail No.:

7004 0750 0001 7771 6164

# Certificate of Mailing Pursuant to: 37 C.F.R. § 1.8

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Brian D. Gildea Reg. No. 39,995

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Dear Sir or Madam:

#### **INFORMATION DISCLOSURE STATEMENT**

In accordance with 37 C.F.R. 1.97, Applicant(s) hereby make of record the following information and publications. Copies of PTO Form 1449 and each publication listed thereon [INCLUDE REFERENCE CODE, E.G., (U.S. PATENTS: AA through AO); (BA - BP FOREIGN PATENTS) &/OR (CA - GH JOURNAL ARTICLES ETC.)] accompany this statement, either in the entirety or in the relevant parts. The documents identified herein are NOT admitted as being prior art.

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v.s	. DEI	PARTMENT OF COMME	RCE, PATENT AN	ID	Atty D	ocket N	—— То.	Appl	icatio	n No.	
TRADEMARK OFFICE					BP0306-US 10/751,354						
REFERENCES CITED BY APPLICANTS					Applicant						
SEP 2 2 2006 (Use several sheets if necessary)						Dey, Subhakar et al.					
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			U.S. PATENT	DOCUME	NTS						
*EXAMINER DOCUMENT NUMBER INITIAL		DATE	NAME		CLASS	SUBO	CLASS	FILING DATE IF APPROPRIATE			
6	AP	US05/0049406	03 March 2005	ch Lerchen							
6	AQ	6,824,981	30 Nov 2004	Chait et al							
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			FOREIGN PATER	NT DOCU	MENTS		•				
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5_	BQ	0209763	01 July 1986	EP					Ø		
65	BR	WO04/086050	07 Oct 2004	WIPO						x	
67	BS	WO01/68664	20 Sept 2001	WIPO				<u> </u>		х	
		HER ART (Including									
6	GI	PCT Internation 2006	al Search Repo	ort and	Writte	n Opini	on ma	iled	10 Aug	ust	
GJ Bartlett Jones, M., et al., "Peptide Ladder Sequencing by Mass Spectrometry Using a Novel, Volatile Degradation Reagent", Rapid Communications in Mass Spectrometry, Vol 8, 737-742 (1994)  GK Day, Richard et al, "N-Terminal Groups in Mass Spectrometry of Peptides. A Study Including Some New and Useful Derivatives", J. Org. Chem., Vol 38, No. 4, 1975 782-788  GL Golding, Bernard T. et al. "Chemistry of Nitrogen Mustard [2-Chloro-N0(2-chloroethyl)-N-methylethanamine] studied by Nuclear Magnetic Resonance Spectroscopy", J. Chem Soc. Perkin Trans. II 1987, pp 705-713						_					
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Examiner

Date Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.



Case No. BP0306-US

#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No.

10/751,354

Confirmation No.:2231

Applicant(s)

Dey, Subhakar et al.

Filed

01/05/2004

TC/A.U.

1624

Examiner

To be assigned

For

Active Esters of N-

Substituted Piperzine Acetic Acids, Including Isotopically enriched versions Thereof

Customer No.

23544

#### CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

Date of Deposit:

Signature:
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atricia E. Tocci

### INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Applicants submit herewith patents, publications or other information (listed on the attached Form PTO/SB/08A) of which they are aware, which may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR §1.56.

This Information Disclosure Statement:

- (a) [] accompanies a new patent application submitted herewith.
- (b) [] is filed within three months after the filing date of the application or within three months after the date of entry of the national stage of a PCT application as set forth in 37 CFR §1.491.
- (c) [x] as far as is known to the undersigned, is filed before the mailing date of a first Office action on the merits.

- (d) [] as far as is known to the undersigned, is filed before the mailing date of a first
  Office action after the filing of a request for continued examination under § 1.114.
- (e) [] is filed after the first Office Action and more than three months after the application's filing date or PCT national stage date of entry filing but, as far as is known to the undersigned, prior to the mailing date of either a final action under §1.113, a notice of allowance under §1.311, whichever occurs first, and is accompanied by either the fee (\$180) set forth in 37 CFR §1.17(p) or a certification as specified in 37 CFR §1.97(e), as checked below. Should any fee be due, the U.S. Patent and Trademark Office is hereby authorized to charge Deposit Account No. 01-2213 in the amount of \$180.00 to cover the cost of this Information Disclosure Statement. Any deficiency or overpayment should be charged or credited to this deposit account. A duplicate of this sheet is enclosed.
- (f) [] is filed after the mailing date of either a final rejection or a notice of allowance, but on or before the payment of the issue fee, and is accompanied by the fee (\$180) set forth in 37 CFR §1.17(i)(1) and a certification as specified in 37 CFR §1.97(e), as checked below. This document is to be considered as a petition requesting consideration of the information disclosure statement. The U.S. Patent and Trademark Office is hereby authorized to charge Deposit Account No. 01-2213 in the amount of \$180.00 to cover the cost of this Information Disclosure Statement. Any deficiency or overpayment should be charged or credited to this deposit account. A duplicate of this sheet is enclosed.

[If either of boxes (e) or (f) is checked above, the following "certification" under 37 CFR §1.97(e) may need to be completed.] The undersigned certifies that:

- [] Each item of information contained in the information disclosure statement was first cited in a communication mailed from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this information disclosure statement.
- [] No item of information contained in this information disclosure statement was cited in a communication mailed from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this information disclosure statement.

A copy of the items on PTO/SB/08A that are not United States Publications:

[x] are supplied herewith		
[ ] are not supplied becau	use they were previo	usly cited by or submitted to the Office in
prior application Serial No.	, filed	and relied upon in this application
for an earlier filing date under 35	USC §120.	
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Appl. No 10/751,354

While the information and references disclosed in this Information Disclosure Statement may be "material" pursuant to 37 CFR §1.56, it is not intended to constitute an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

In accordance with 37 CFR §1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR §1.56(a) exists. It is submitted that the Information Disclosure Statement is in compliance with 37 CFR §1.98 and MPEP §609 and the Examiner is respectfully requested to consider the listed references.

Respectfully submitted,

Date: <u>Sept 20, 2006</u>

Brian D. Gildea
Attorney for Applicants

Reg No 30 005

Reg. No. 39,995

Telephone: 508-383-7632 Customer No.: 23544

Applied Biosystems
500 Old Connecticut Path

Framingham, MA 01701 USA

U.S. DEPARTMENT OF COMMERCE, PATENT AND TRADEMARK OFFICE						Atty Docket No. Application No.				n No.	
	TRADEMARK OFFICE						BP0306-US 10/751,354				
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Case No. BP0306-US

#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No.

10/751,354

Confirmation No.: 2231

Applicant(s)

Dey et al.

Filed

1/5/04

TC/A.U.

1624

Examiner

To be assigned

For

Active Esters of N-

Substituted Piperazine Acetic Acids, Including Isotopically

enriched Versions thereof

Customer No.

: 23544

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	[x]	are supplied herewith.
	[]	are not supplied because they were previously cited by or submitted to the Office
in	application	Serial No, filed and relied upon in this application for an
ear	rlier filing d	ate under 35 USC §120.
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Appl. No. 10/751,354

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Respectfully submitted,

Date: Jan 15, 2007

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